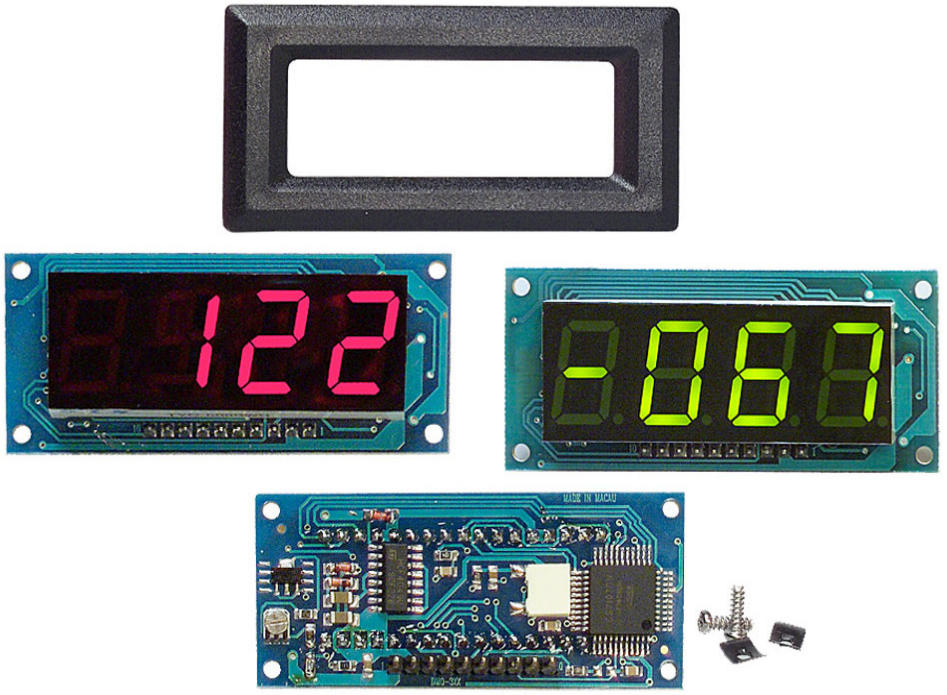
DMO-3xx Series

LED Digital Panel Meters

3½ Digit LED Display for voltage inputs



Features:

- ◊ Display hold function standard
- ◊ 3½ digits with 0.56" Red or Green LED
- ◊ Window mount with optional bezel
- ◊ User selectable decimal points

Specifications:

Display:	Digits:	3 ½ (±1999 count)
	Type:	7- segment LED (red or green)
	Digit Height:	.56 in (14.2 mm)
	Polarity Indication:	automatic "-" for neg input
	Decimal Point:	3 position selectable
	Overrange:	three lower order digits blank for inputs >1999 & < --1999
Signal Inputs:	Configuration:	bipolar, differential
	Full-Scale Input:	±200 mV, ±2 V, ±20 V
	Input Offset Adjustment:	auto zero
	Input Impedance:	>100 MΩ (±200 mV),-1 MΩ (other ranges)
	Common Mode Range:	±1 VDC
	Common Mode Rejection:	>86 dB
	Protection:	±350 VDC (±100 VDC for 200 mV range)
	Input Bias Current:	1 pA typical, 100 pA max
	Control Inputs:	decimal point select, hold, span adjust trimpot
Performance:	Sampling Rate:	3.3 readings / s
	Accuracy:	± (0.1% + 2 counts) typ ±(0.2% + 2 counts) max
	Warmup, typical:	10 min
	Temperature Drift, typical:	100 ppm / °C
Power Supply:	Supply Voltage:	+5 VDC ±5%
	Supply Current, typical:	200 mA
Environmental:	Operating Temperature:	0 to 50°C
	Storage Temperature:	-10 to 60°C
	Relative Humidity:	0 to 95% non-condensing
Physical:	Package Style:	window mount
	Dimensions:	2.52 x 1.10 x .73
	Panel Cutout:	2.05 x .81
	Weight:	0.7 oz (20 g)
	Connector:	J1C-10 or C10-5 optional
	Connection:	10 pin
	Bezel:	optional

Ordering Information:

PART NUMBER	METER COLOR	METER POWER
DMO-35HR	RED	200mV DC
DMO-36HR	RED	2V DC
DMO-37HR	RED	20V DC
DMO-35G	GREEN	200mV DC
DMO-36G	GREEN	2VDC
DMO-37G	GREEN	20VDC

LED-B	Optional Bezel Mounting Kit
C10-5	5" - 10 Pin Connector / Wire Assembly
J1C10	12" - 10 Pin Connector / Wire Assembly
PW2-5	Regulated 120V AC to 5V DC Power Supply

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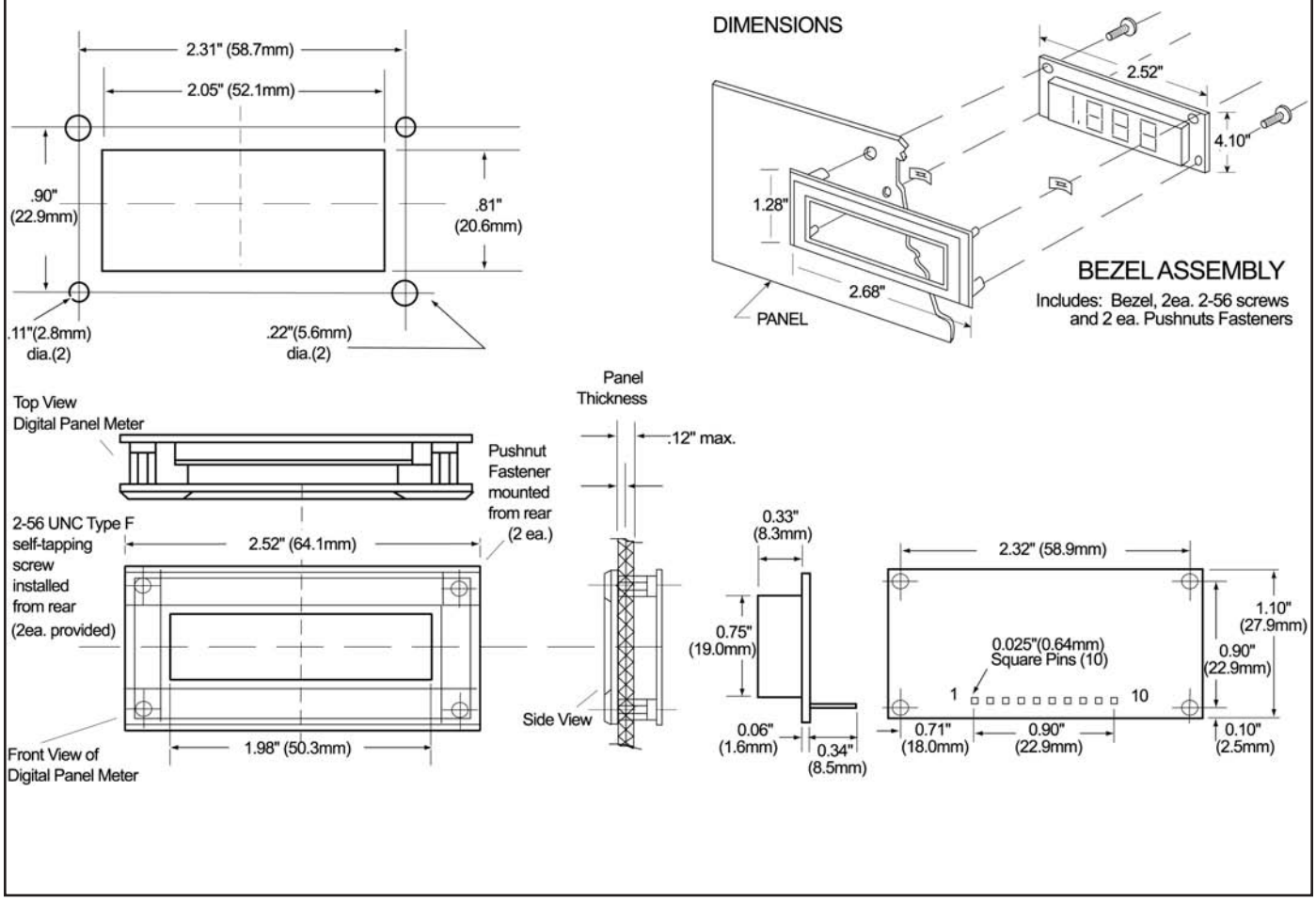
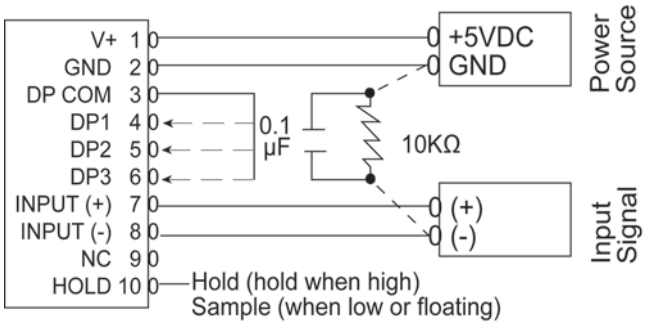
Dimensions



Wiring



Pin No.	Pin Name	Description
1	V+	+5V power supply
2	GND	Power supply ground
3	DP COM	Decimal point return
4	DP1	1XX.X (connect to DP COM to turn on)
5	DP2	1X.XX (connect to DP COM to turn on)
6	DP3	1.XXX (connect to DP COM to turn on)
7	INPUT(+)	Positive input signal
8	INPUT(-)	Negative input signal
9	NC	No connection required
10	HOLD	Hold last display